Brayden Noh 노상원

Auburn High School (2017 – 2021), *GPA 4.4*

braydennoh@gmail.com

Possess experiences in technical writing/communication, work ethic, academic researches in electric cars, batteries, and supercapacitors, undergraduate level knowledge in electrical engineering.

English (*Bilingual proficiency*), German (*Limited proficiency*), Korean (*Working proficiency*)

Experiences

Hybrid EV Lead Researcher
Clemson University Department of Automotive Engineering, Dr. Zhang

Association Member
AEIT Nazionale – Milan, Lombardy, Italy

Team Leader
Auburn Dynamics Robotics – Robotics Research Group

Associate Member
Sigma Xi, The Scientific Research Honor Society

Invited Researcher
Teledyne Brown Engineering – Personal Company Invitations for Research

International Science and Engineering Fair Finalist
ISEF Alumni, Grand Award of 2nd Place in the Category of Energy

Science Olympiad
Varsity Team Member of the #1 Ranked Team in State, Qualified for Nationals since 2017

Guest Researcher
Society of American Military Engineers (SAME) – Research Presenter

AEIT Virtual Conference Presenter
IEEE and Politecnico Milano Sponsored Research Conference

Publications (First Authorship)

Elsevier Journal of Energy Storage
Fabrication and Empirical Analysis of Graphene Dispersion/Activated Carbon on Conductive Networks in Porous Graphite Felt Supercapacitor

SAE International Journal of Electrified Vehicle
Design of Supercapacitor-Battery Hybrid Powertrain System with Pulse Width Modulation and Series Configuration for Light Electric Vehicles

IEEE International Conference of Electrical and Electronic Technologies for Automotive
Supercapacitor Assisted Hybrid Electric Vehicle Powertrain and Power Selection using Fuzzy Rule-Based Algorithm